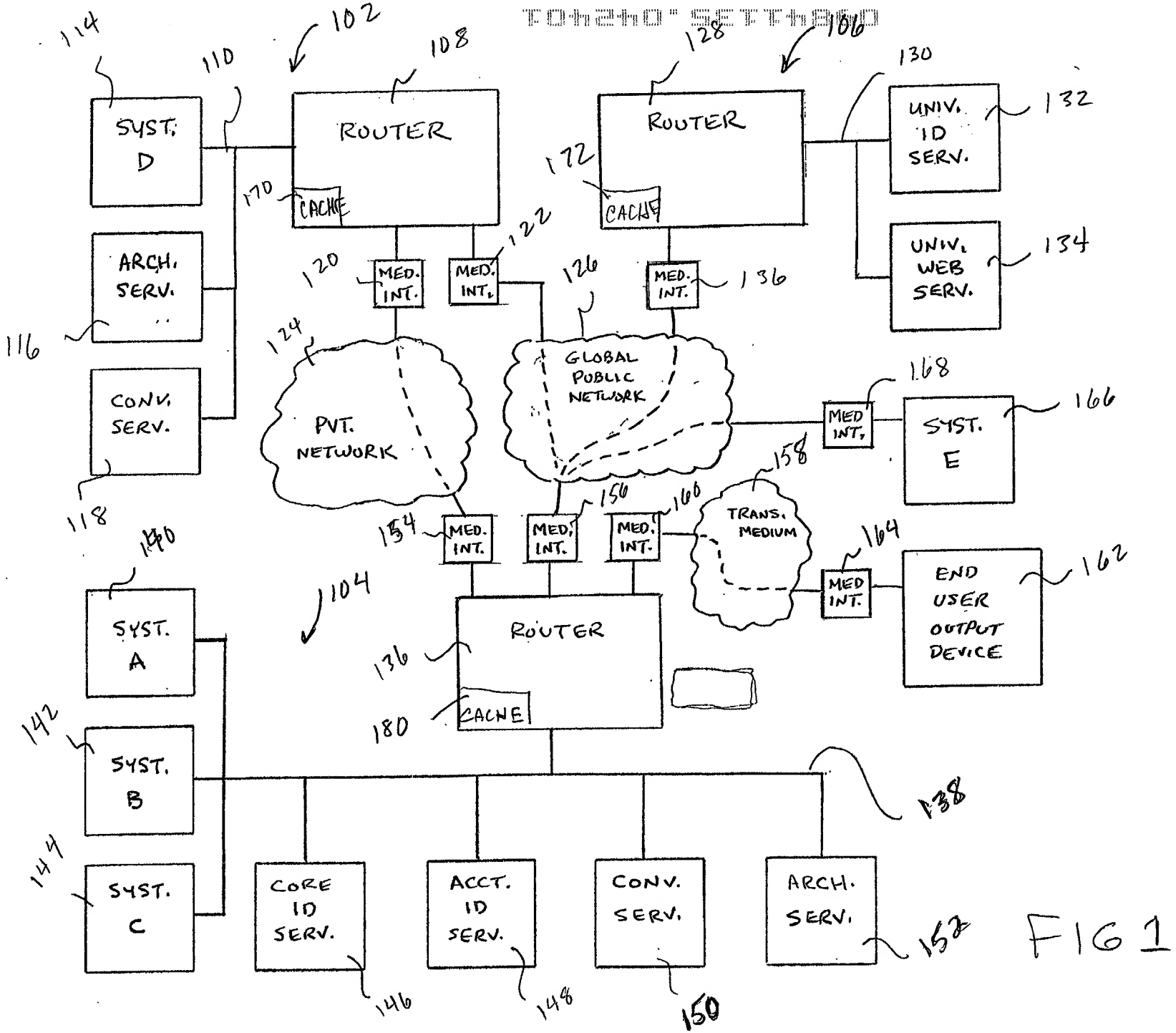

SYST. D
ROUTER
ROUTER
UNIV. ID SERV.
UNIV. WEB SERV.
CACHE
CACHE
ARCH. SERV.
CONV. SERV.
MED. INT.
MED. INT.
MED. INT.
PVT. NETWORK
GLOBAL PUBLIC NETWORK
MED INT.
SYST. E
TRANS. MEDIUM
MED. INT.
MED. INT.
MED. INT.
MED INT.
END USER OUTPUT DEVICE
SYST. A
ROUTER
CACHE
SYST. B
SYST. C
CORE ID SERV.
ACCT. ID SERV.
CONV. SERV.
ARCH. SERV.
102
104
106
108
110
114
116
118
120
122
124
126
128
130
132
134
136
138
140
142
144
146
148
150
152
154
156
158
160
162
164
166
168
170
172
180

FIG 1

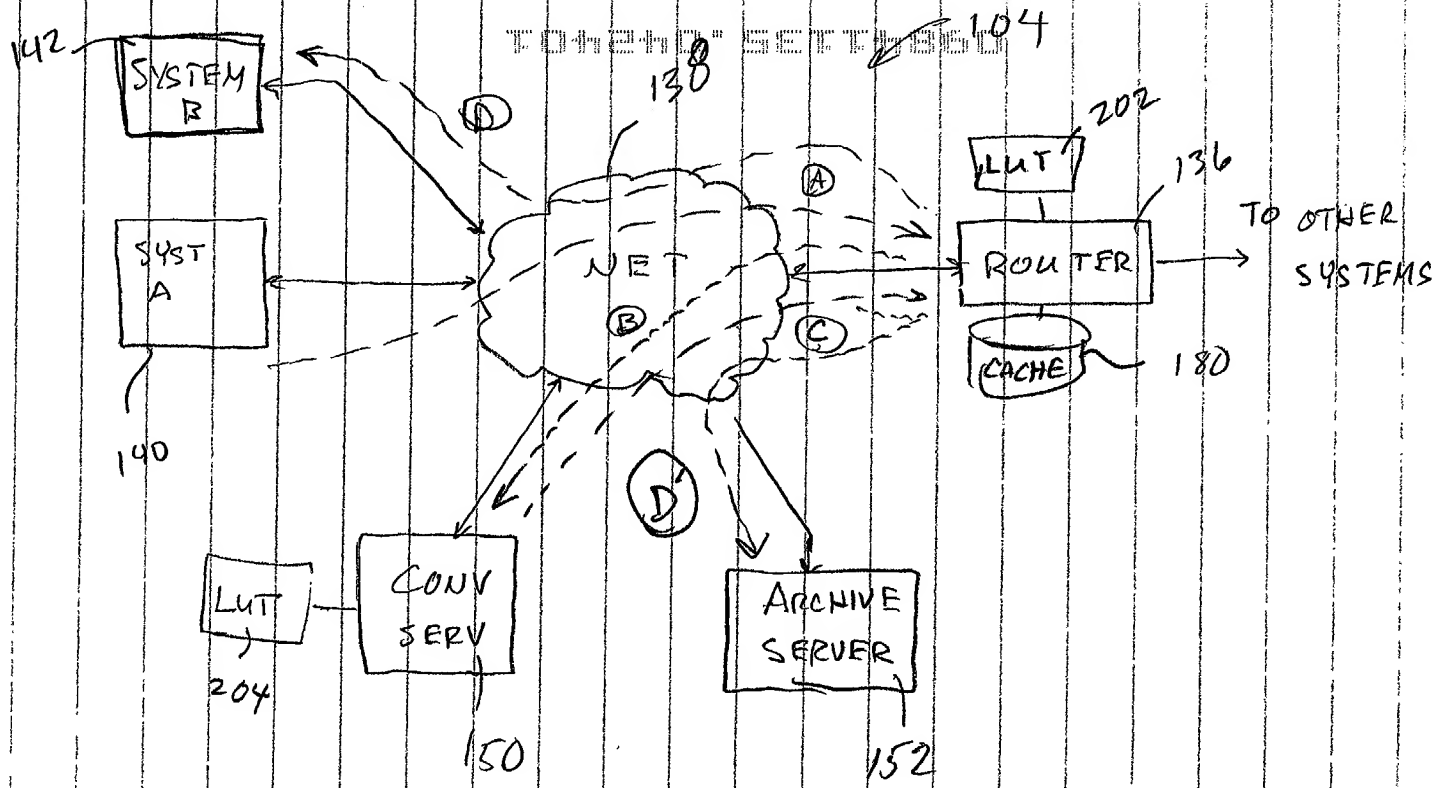

142
SYSTEM B
104
138
A
B
C
D
D'
LUT
202
136
TO OTHER SYSTEMS
ROUTER
NET
SYST A
CACHE
180
140
LUT
CONV SERV
ARCHIVE SERVER
204
150
152

FIG2

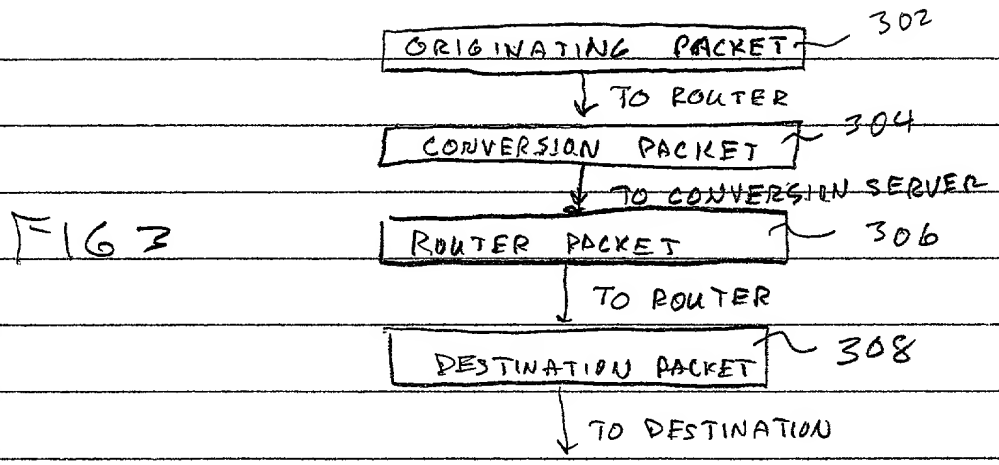

ORIGINATING PACKET
302
TO ROUTER
CONVERSION PACKET
304
TO CONVERSION SERVER
ROUTER PACKET
306
TO ROUTER
DESTINATION PACKET
308
TO DESTINATION

FIG 3

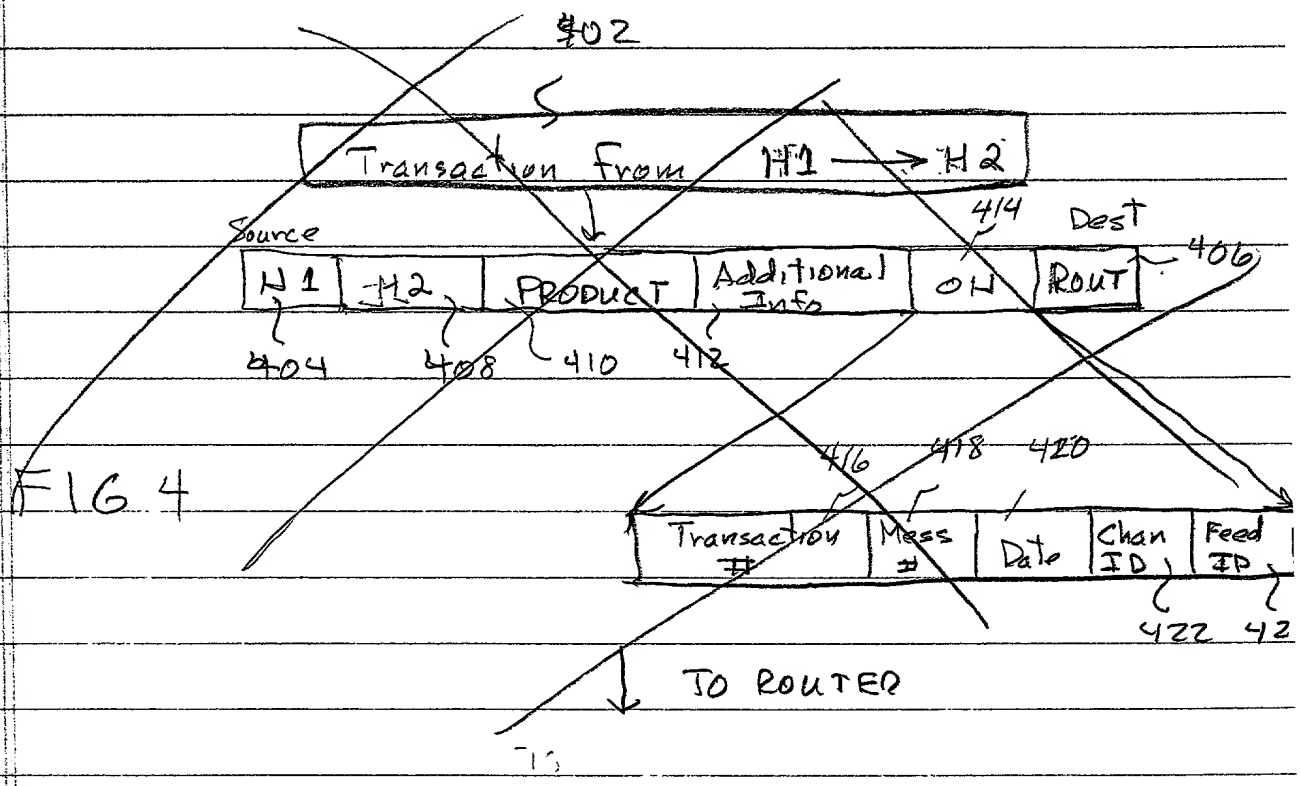
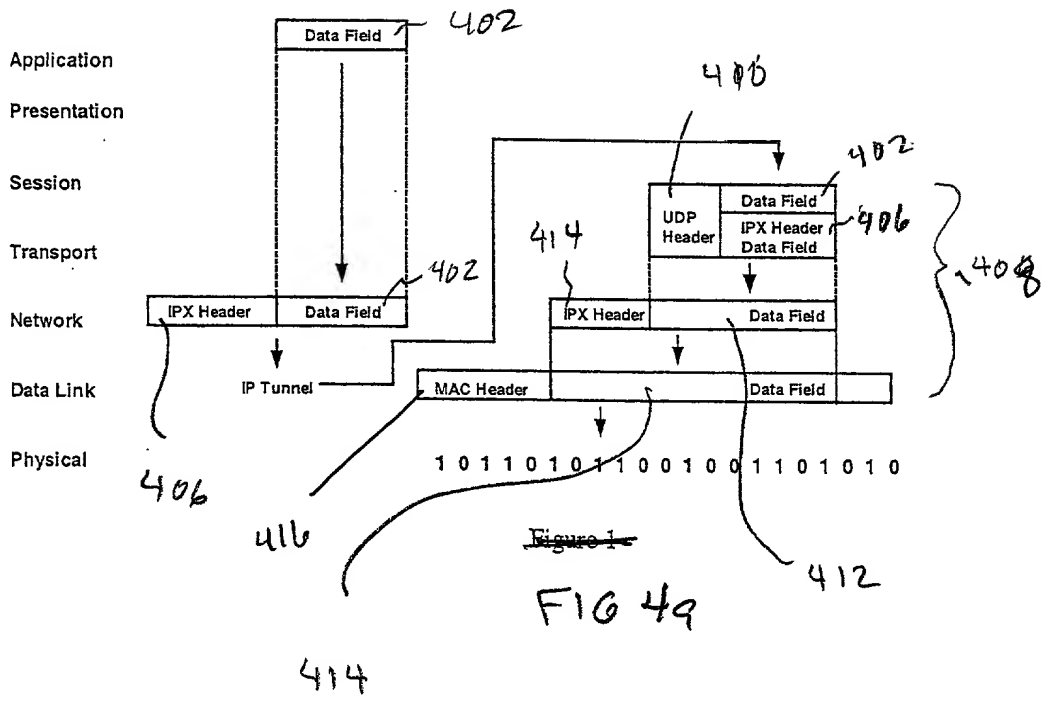

402
Transaction From H1 → H2
Source
Dest
414
406
H1
H2
PRODUCT
Additional Info
OH
ROUT
404
408
410
412
416
418
420
Transaction #
Mess #
Date
Chan ID
Feed ID
422
42
TO ROUTER

FIG 4



~~Figure 1~~

FIG 4a

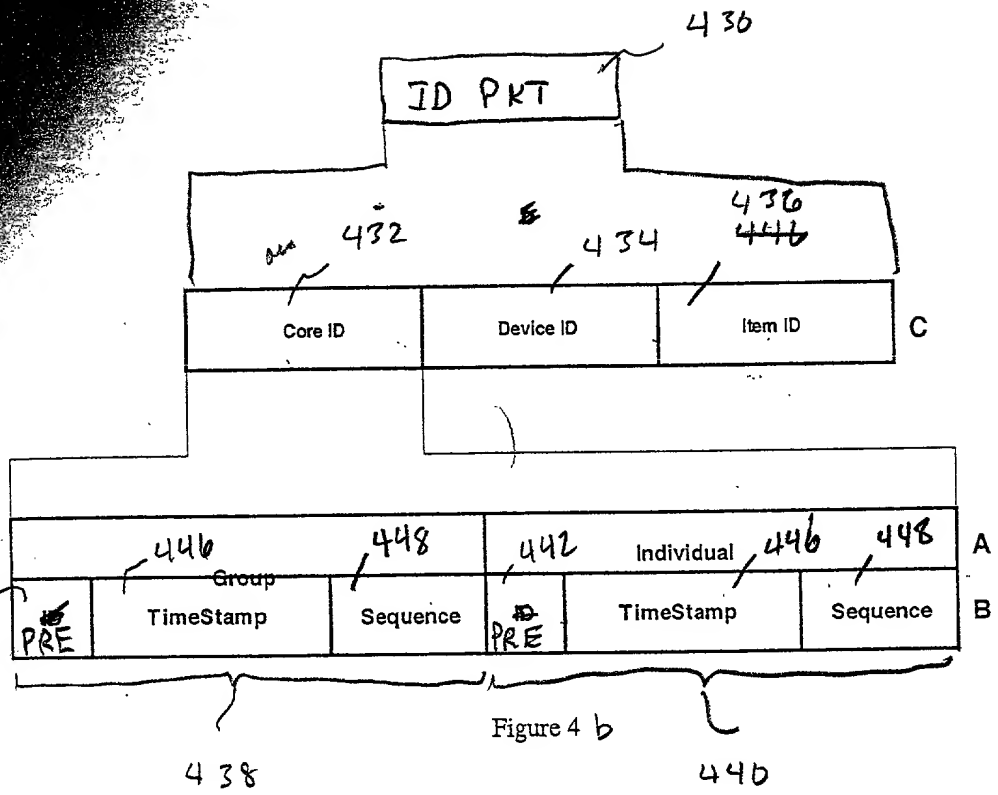

436
ID PKT
432
434
436
446
Core ID
Device ID
Item ID
C
442
446
448
Group
TimeStamp
Sequence
442
Individual
446
448
PRE
TimeStamp
Sequence
PRE
A
B
438
440

Figure 4 b

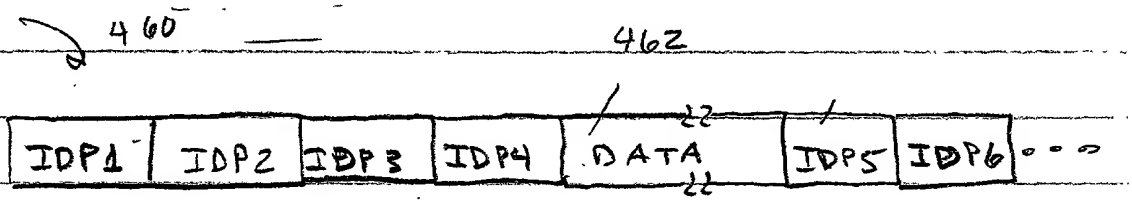

460
462
IDP1
IDP2
IDP3
IDP4
DATA
IDP5
IDP6

FIG 4c

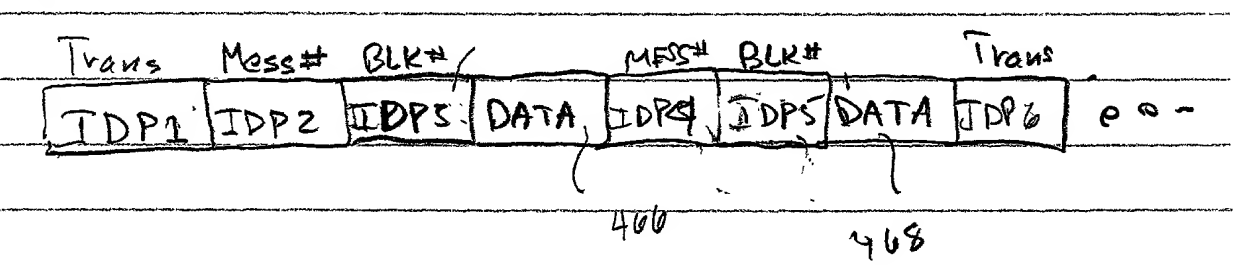

464
Trans
Mess#
BLK#
IDP1
IDP2
IDP3
DATA
IDP4
IDP5
DATA
Trans
IDP6
466
468

FIG 4d

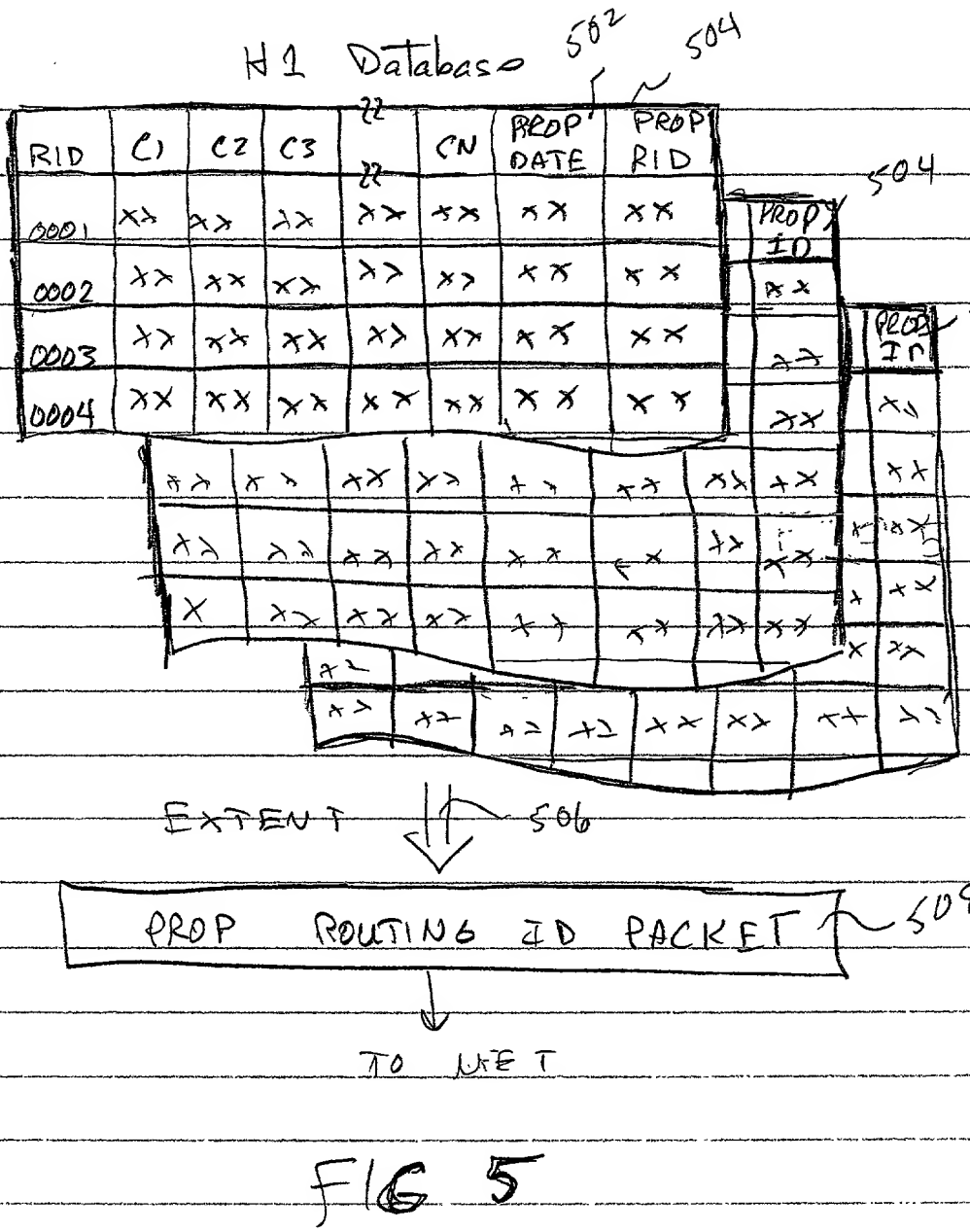

H1 Database
502
504
RID
C1
C2
C3
CN
PROP DATE
PROP RID
0001
0002
0003
0004
PROP ID
504
EXTENT
506
PROP ROUTING ID PACKET
508
TO NET

FIG 5

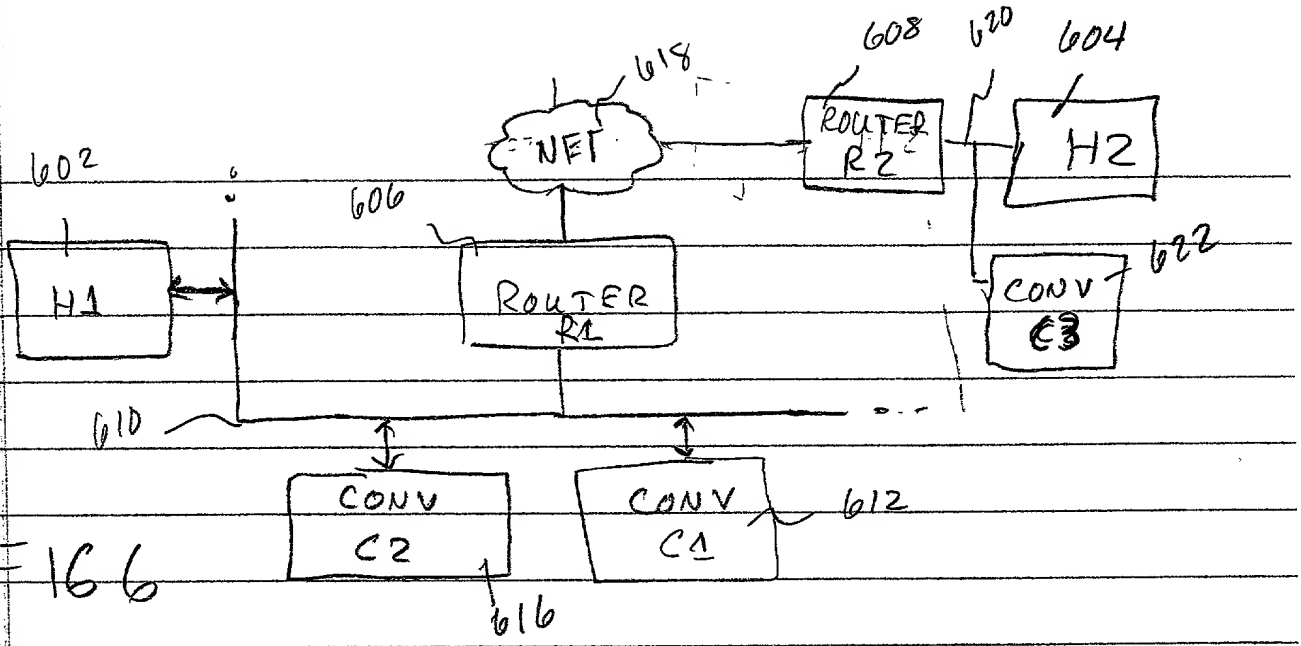


FIG 6

H1 → H2

OUTGOING CHANNEL 0011
H1 → R1
R1 → C1
C1 → R1
R1 → C2
C2 → R1
R1 → R2 (Joiner ID)
R2 → H2

FIG 7a

H2 → H1

OUTGOING CHANNEL 0028
H2 → R2
R2 → C3
C3 → R2
R2 → R1 (JOINER ID)
R1 → H1

FIG 7b

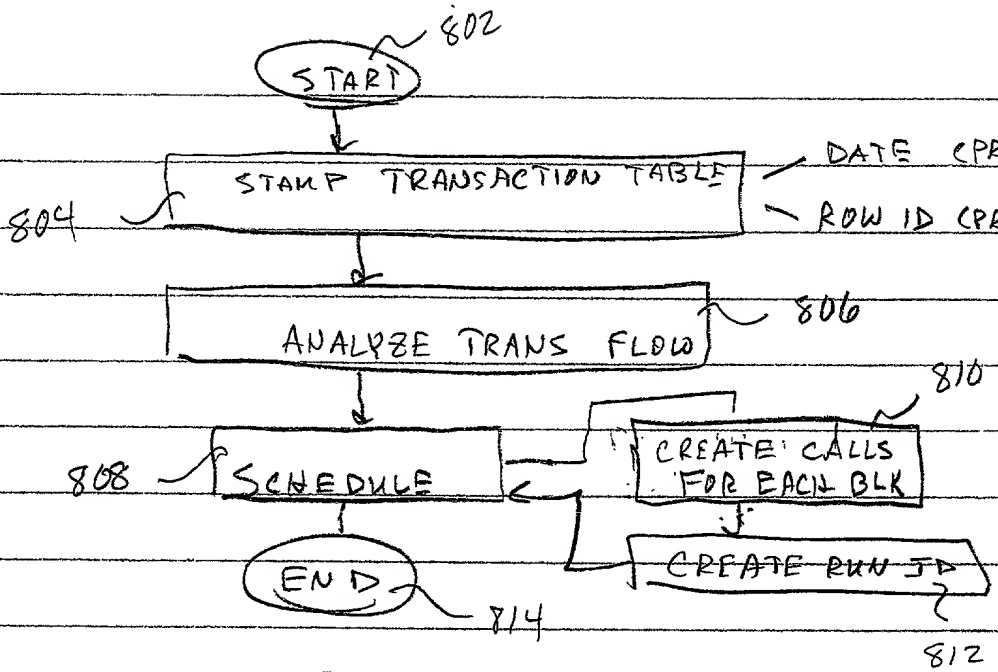


FIG 8

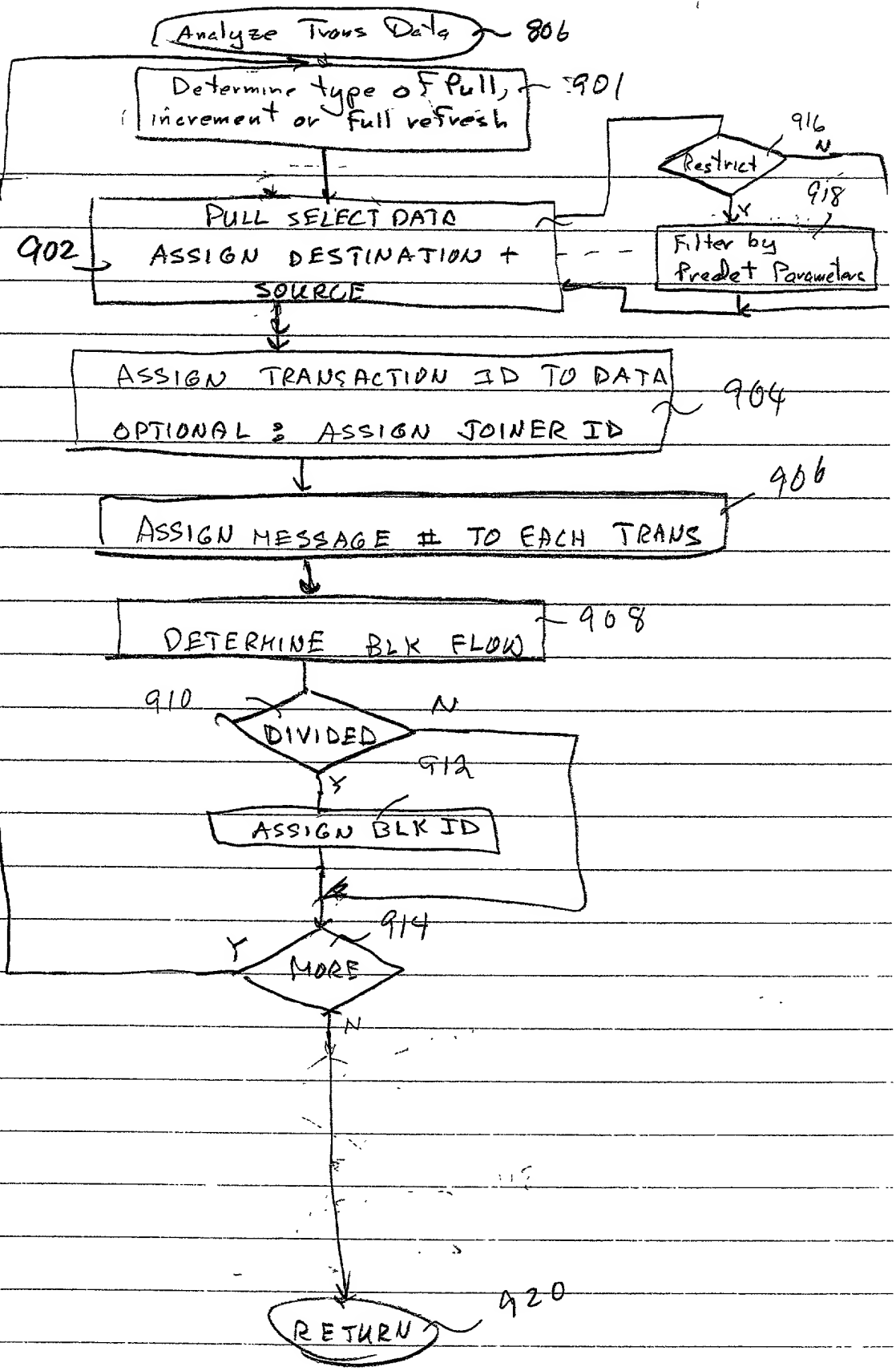
1002

TRANS TABLE

1004

Mess #	TRANS ID	JOIN ID	ROW ID	DATE	BLK ID	RUN

FIG 10


Analyze Trans Data
806
Determine type of Pull, increment or full refresh
901
PULL SELECT DATA
ASSIGN DESTINATION + SOURCE
902
Restrict
916
N
Y
918
Filter by Predet Parameters
ASSIGN TRANSACTION ID TO DATA
OPTIONAL: ASSIGN JOINER ID
904
ASSIGN MESSAGE # TO EACH TRANS
906
DETERMINE BLK FLOW
908
910
DIVIDED
N
Y
912
ASSIGN BLK ID
914
MORE
Y
N
RETURN
920

F16 9

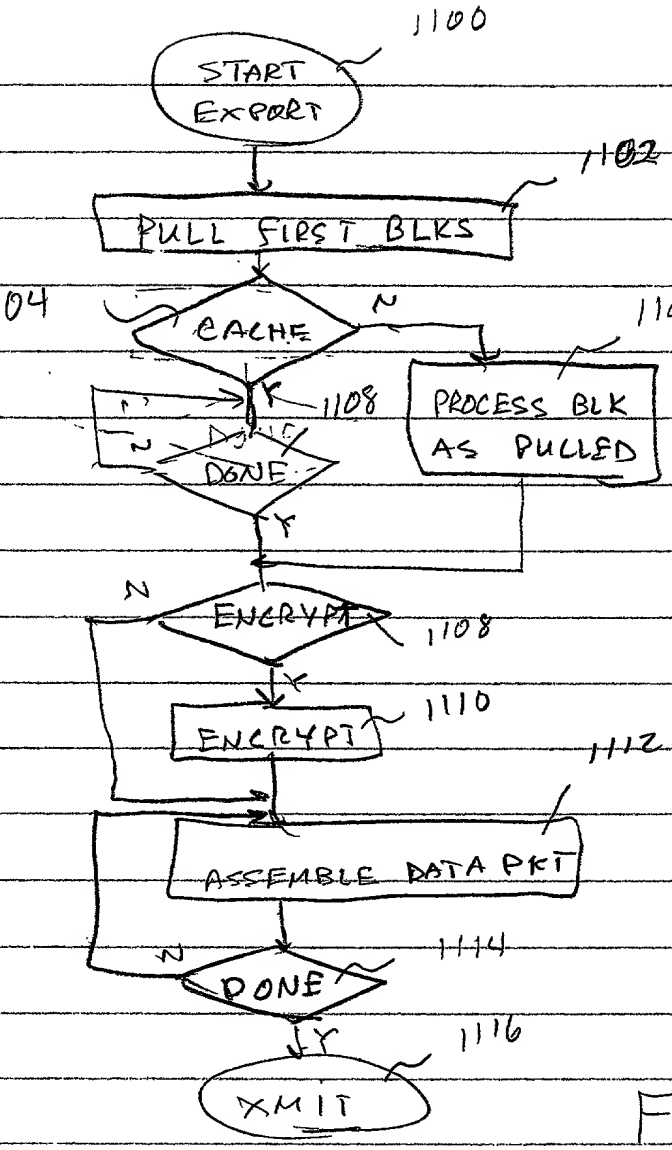

1100
START EXPORT
1102
PULL FIRST BLKS
1104
CACHE
N
1106
PROCESS BLK AS PULLED
1108
DONE
Y
N
ENCRYPT
1108
Y
ENCRYPT
1110
1112
ASSEMBLE DATA PKT
N
DONE
1114
Y
1116
XMIT

FIG 11

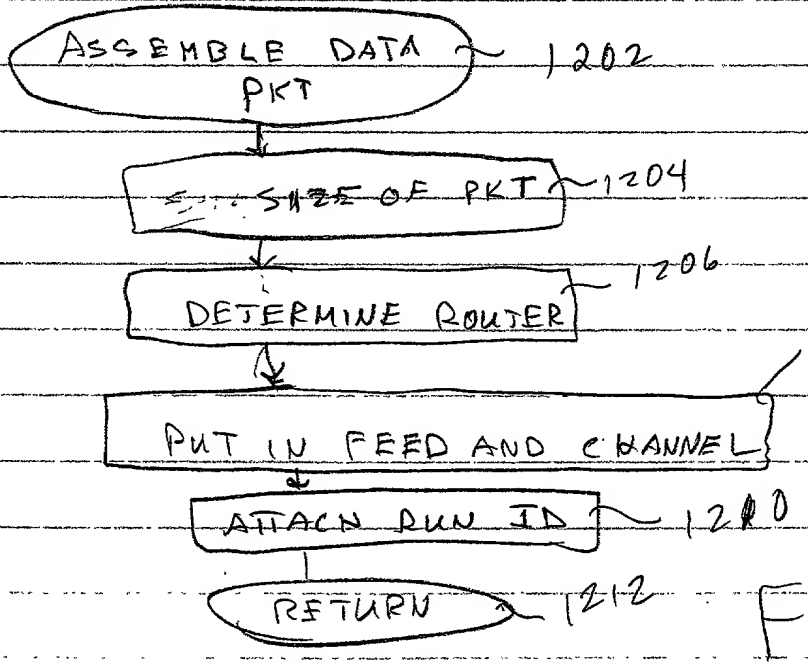

ASSEMBLE DATA PKT
1202
SIZE OF PKT
1204
DETERMINE ROUTER
1206
1208
PUT IN FEED AND CHANNEL
ATTACH RUN ID
1210
RETURN
1212

FIG 12

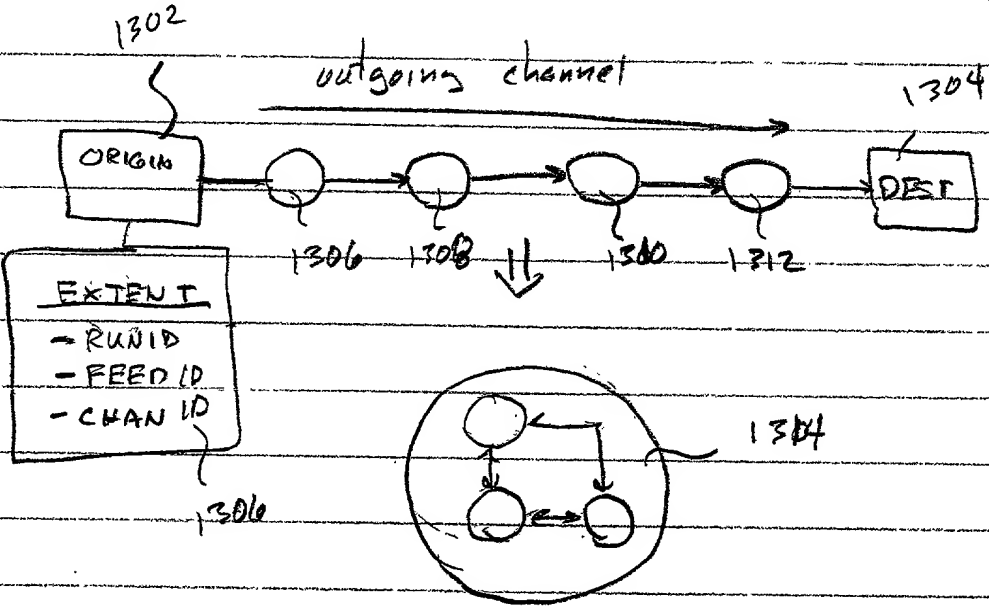


FIG 13

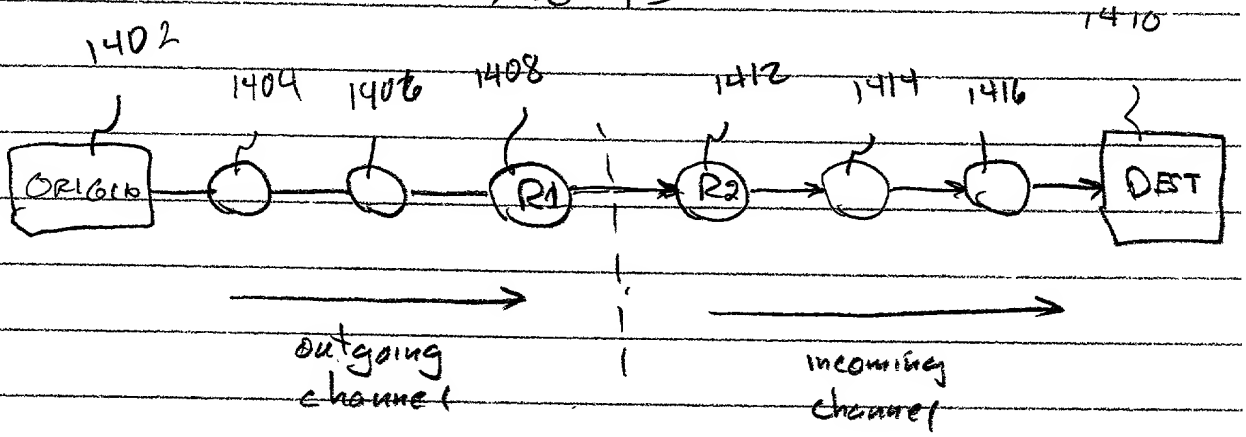


FIG 14

Router R1

JOINER ID	IDPKT
0128	XXXX
0345	YYYY

Router R2

JOINER ID	IDPKT
0128	ZZZZ
0345	WWWW

FIG 14a

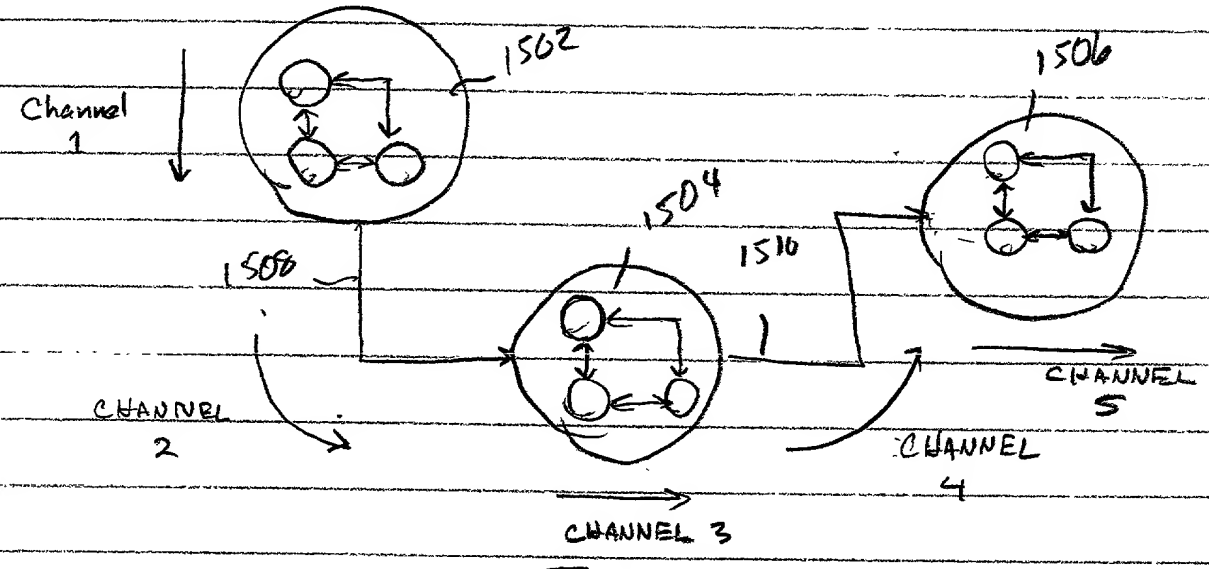


FIG 15

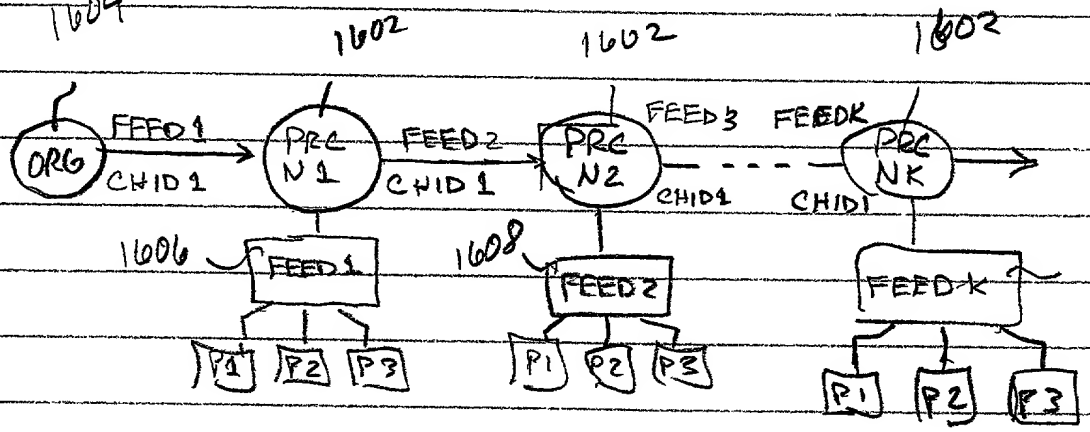


FIG 16

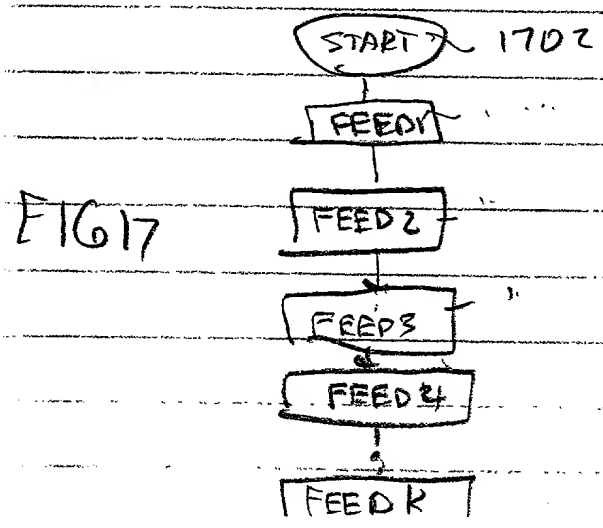


FIG 17

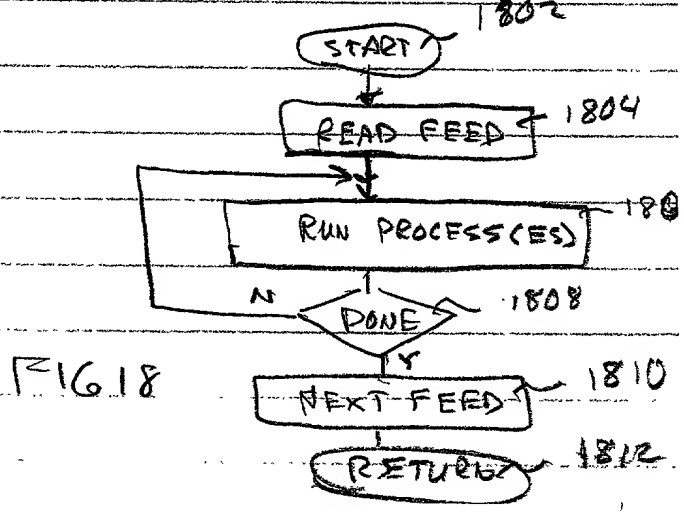


FIG 18

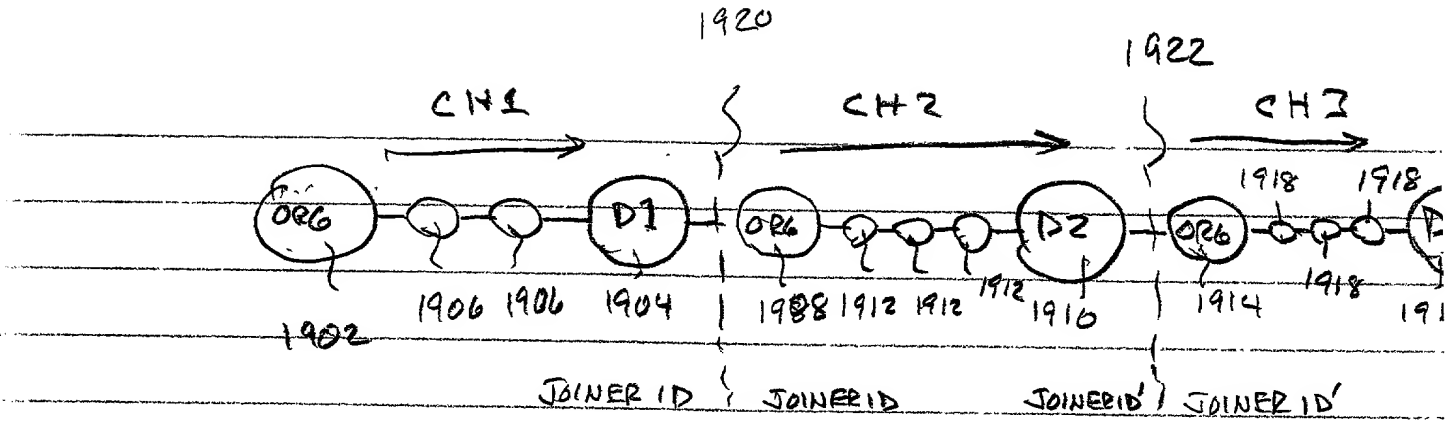

1920
1922
CH1
CH2
CH3
ORG
D1
ORG
D2
ORG
1918
1918
1902
1906
1906
1904
1908
1912
1912
1912
1910
1914
1918
JOINER ID
JOINER ID
JOINER ID'
JOINER ID'

FIG 19

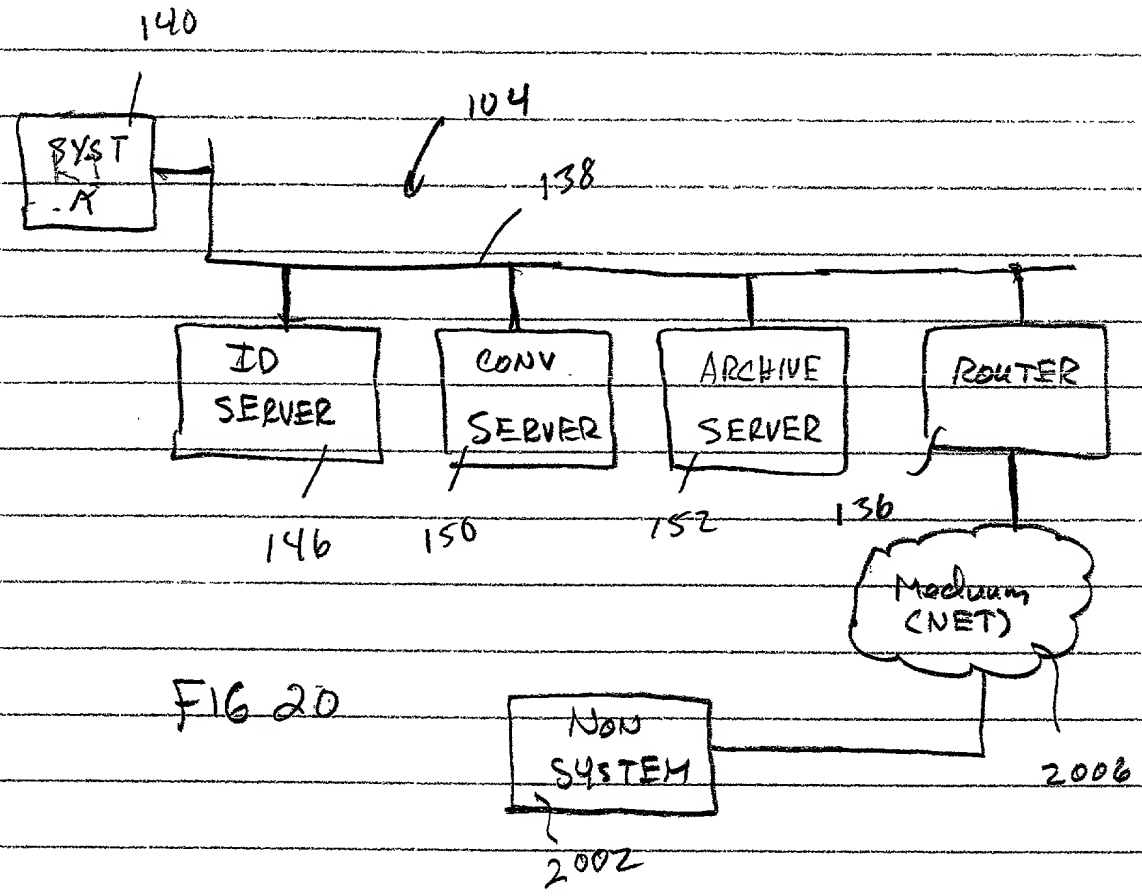


FIG 20

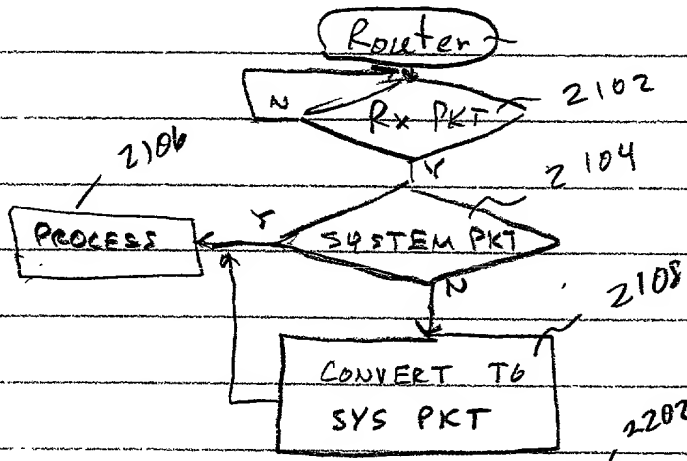


FIG 21

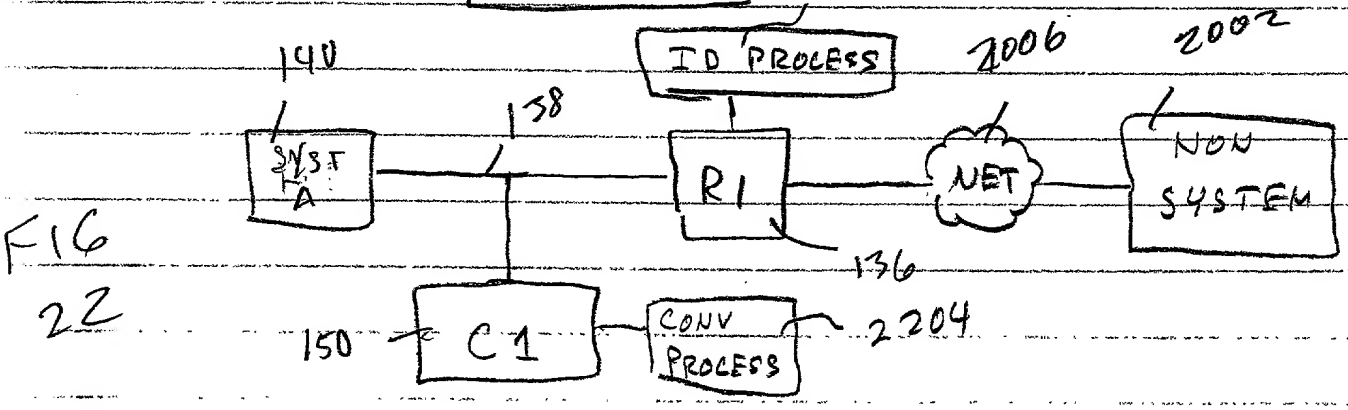


FIG 22

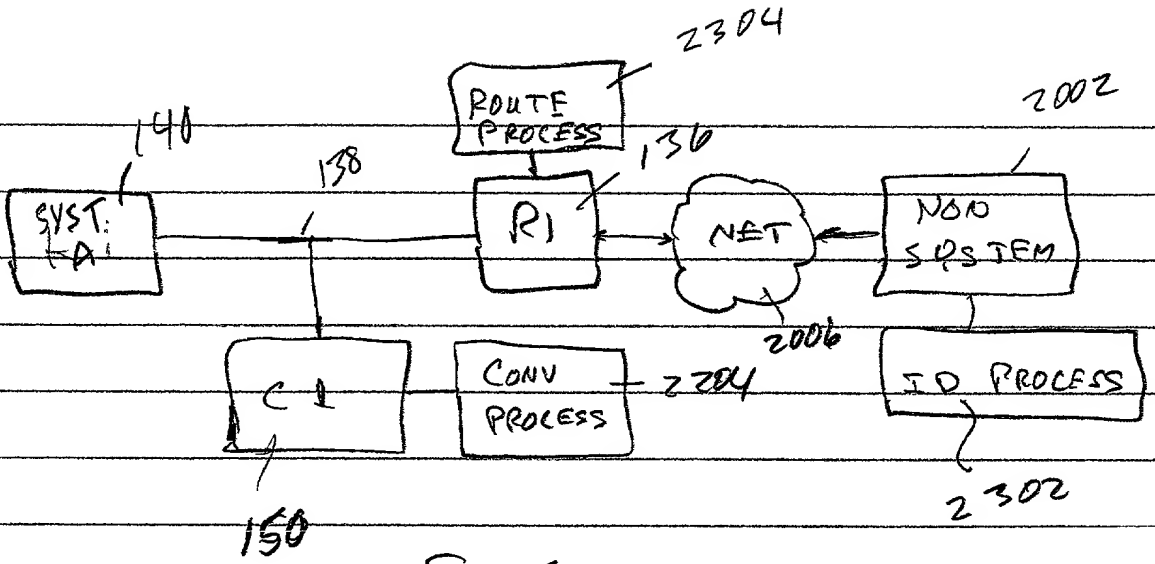

2304
ROUTE PROCESS
2002
140
138
136
SYST. A
R1
NET
NON SYSTEM
2006
C 1
CONV PROCESS
2204
I O PROCESS
150
2302

FIG 23

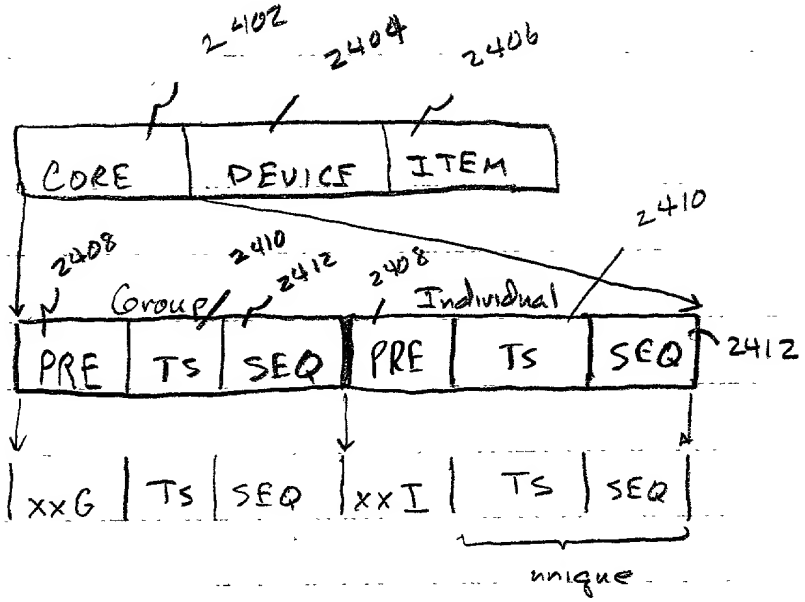


FIG 24

TABLE 1

CORE (WHO)	DEVICE (WHERE)	ITEM (WHAT)
Corporation or Entity	Assignee of the Packet, e.g., computer, phone, etc	Object, e.g., article, net address, real estate property, etc

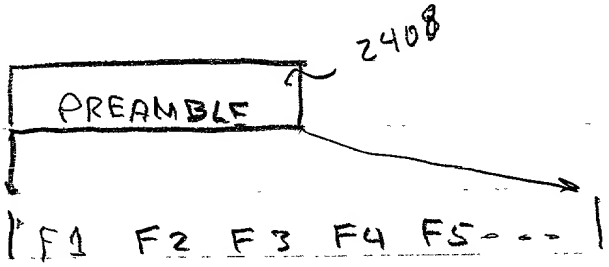


FIG 25

TABLE 2

F1	F2	F3	F4	F5	TS/SEQ	CONTENT
A	B	Z	C	W	xxxx	———
C	T	Q	I	C	xxxx	———
F	L	A	K	L	xxxx	———
6	M	B	R	S	xxxx	———

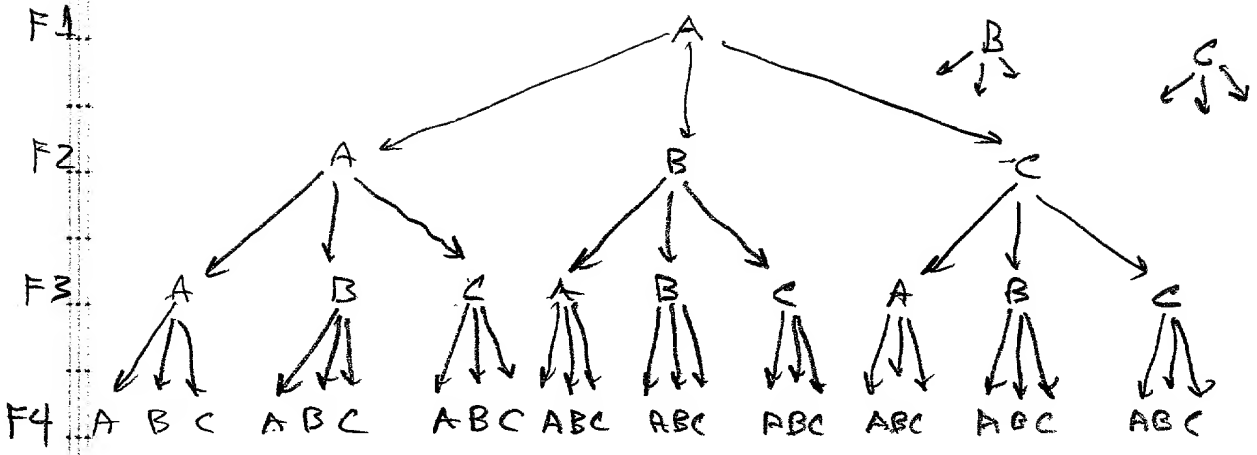

F1
F2
F3
F4
A
B
C
A B C
A B C
A B C
A B C
A B C
A B C
A B C
A B C
A B C

FIG 26

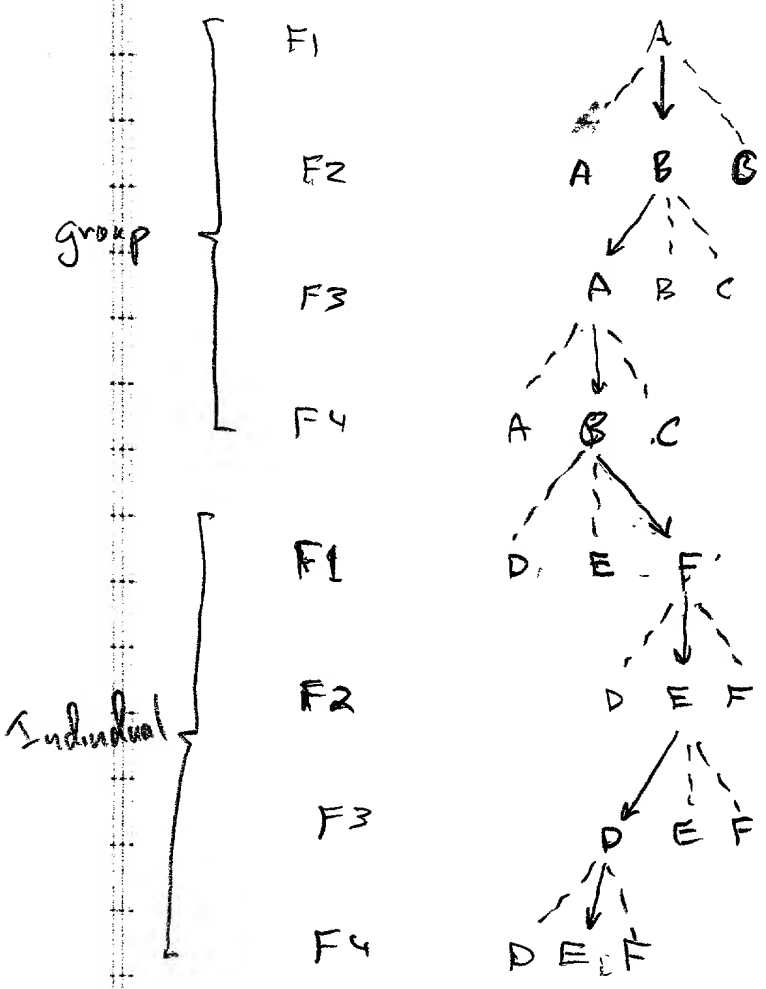

F1
F2
F3
F4
group
A
A B C
A B C
D E F
Individual
F1
F2
F3
F4
D E F
D E F
D E F

FIG 27

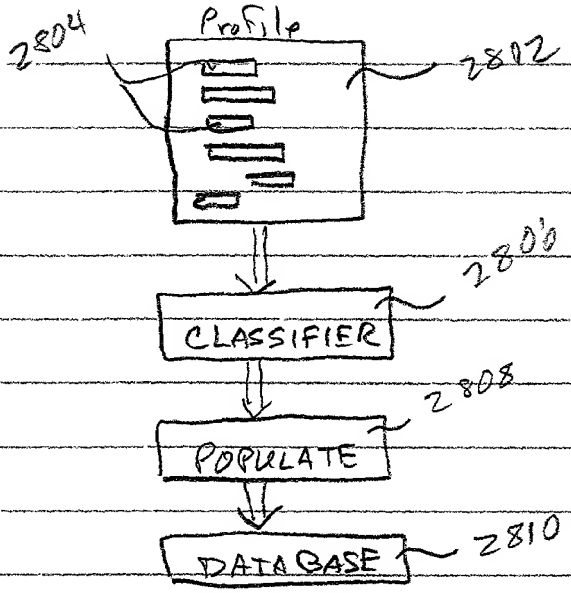


FIG 28

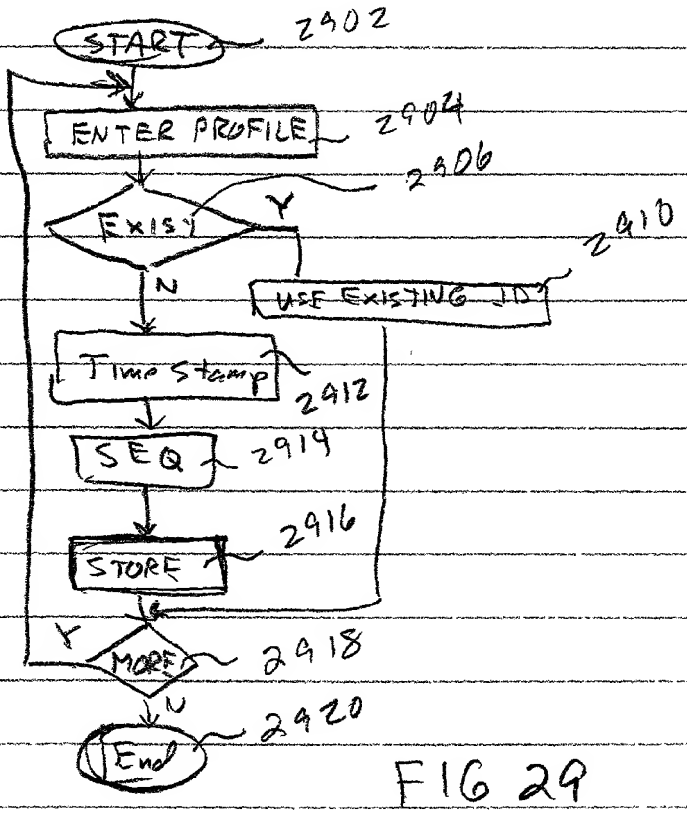


FIG 29

PP(Catheter) CI → PPCBIITs/s

PP(Catheter) CI

PP(Catheter) CI → PPCLIITs/s

PP(Catheter) VI → PPCP-IITs/s

FIG 30

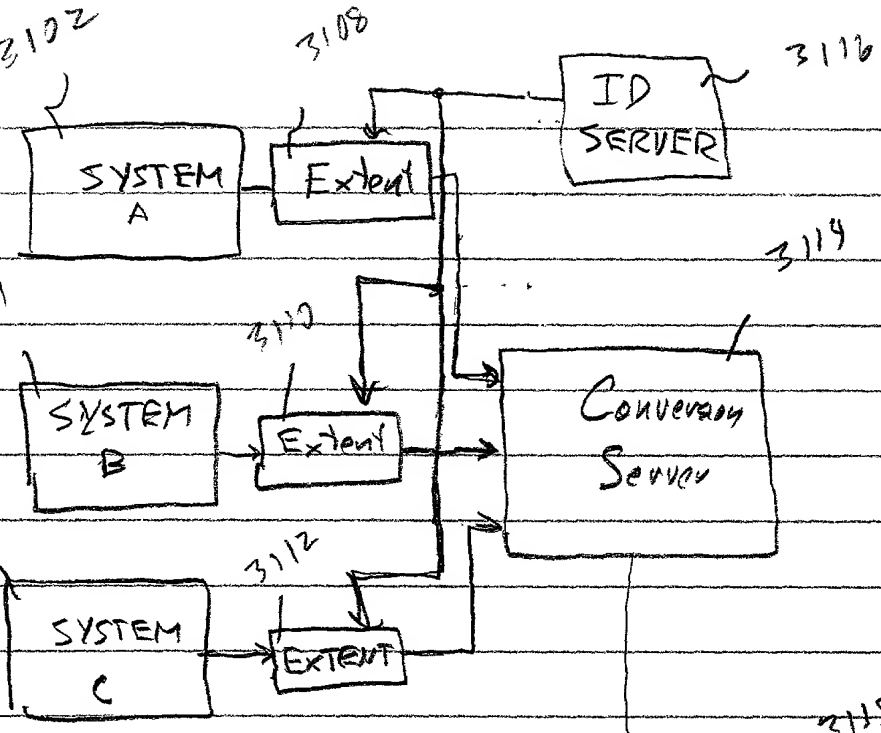
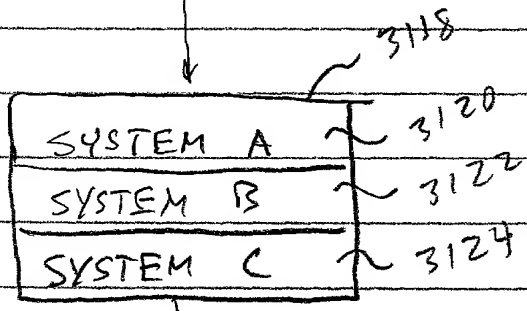


FIG 31



3126

	IDP1	IDP2	IDP3	IDP4
SYS A				
SYS B				
SYS C				

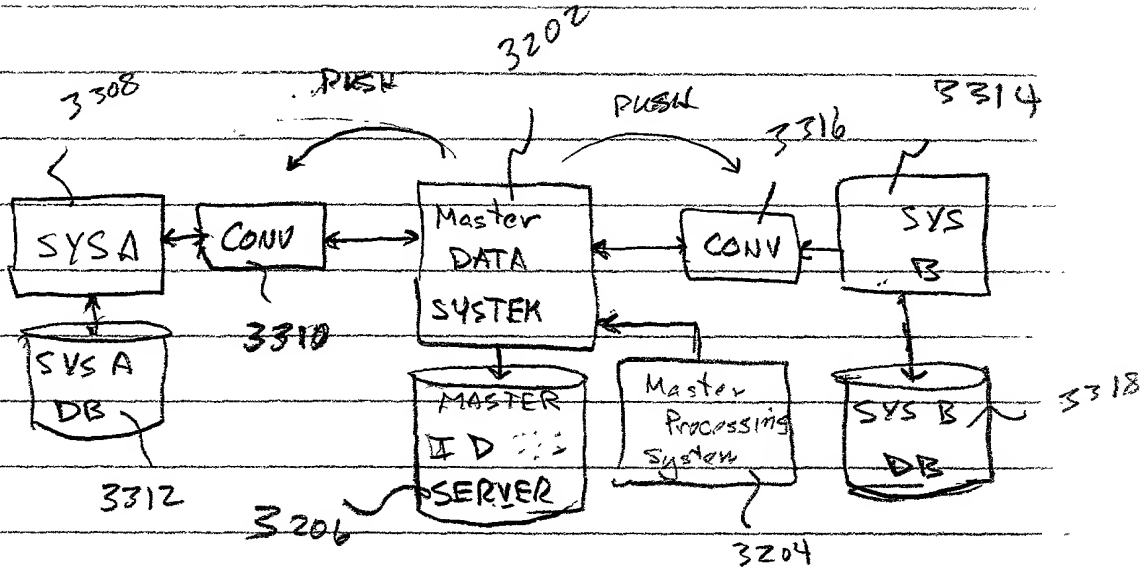

3202
3308
PUSH
PUSH
3314
3316
SYS A
CONV
Master DATA SYSTEM
CONV
SYS B
SYS A DB
3310
MASTER ID SERVER
Master Processing System
SYS B DB
3318
3312
3206
3204

FIG 32

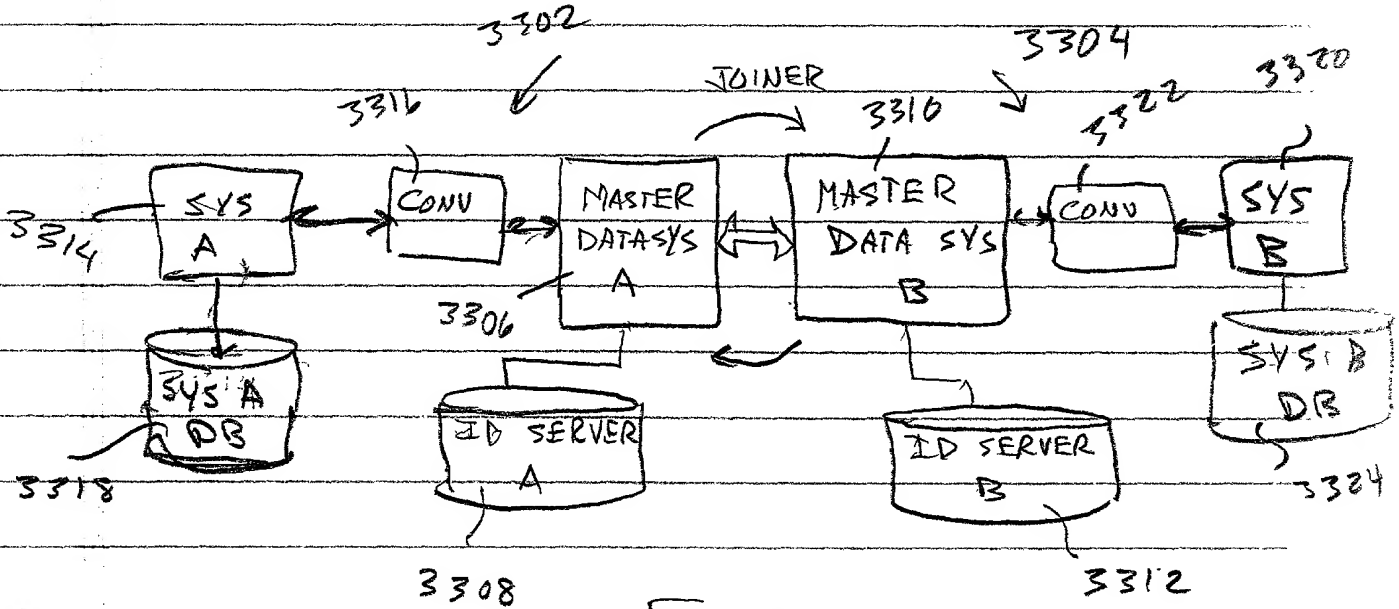

3302
3304
JOINER
3316
3310
3320
3322
3314
SYS A
CONV
MASTER DATA SYS A
MASTER DATA SYS B
CONV
SYS B
3306
SYS A DB
ID SERVER A
ID SERVER B
SYS B DB
3318
3308
3312
3324

FIG 33

EMP #	DAYS IN	DAYS OUT
x x x	x x	x x
x x	x x	x x
x x	x x	x x

3402

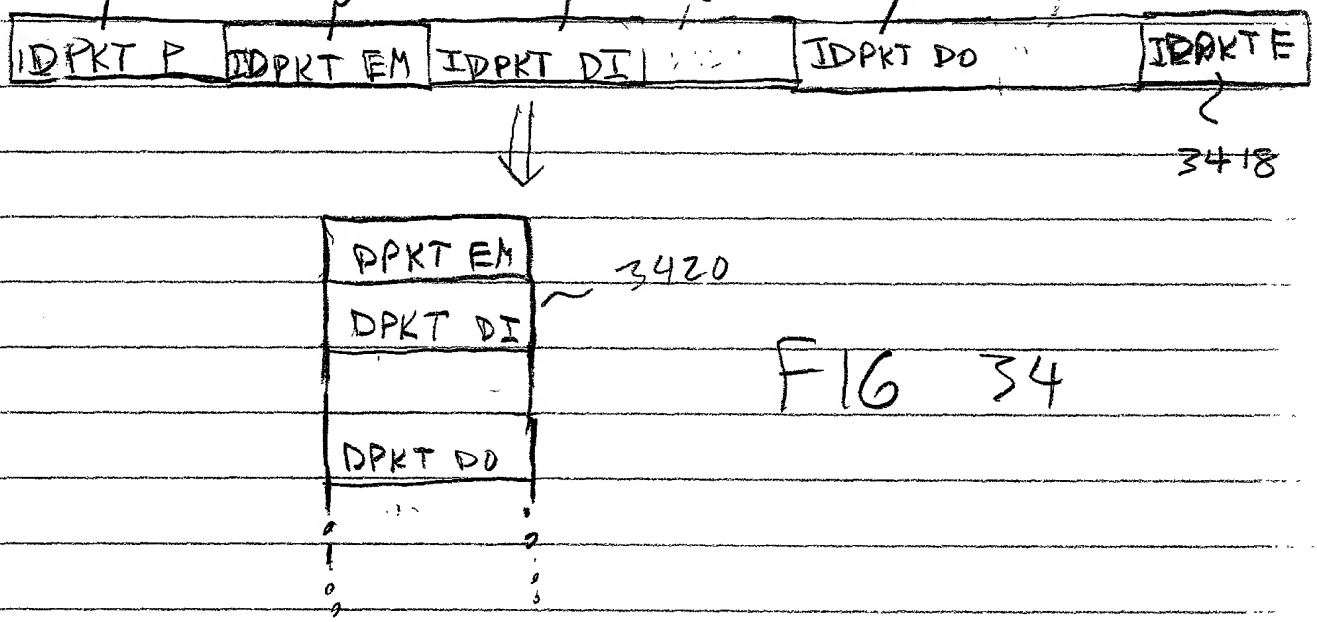


FIG 34

EMP	IDPKT
EMP 1	DIN
EMP 1	DOUT
EMP 2	DIN
EMP 2	DOUT

FIG 34a